

In the Specification:

Please amend the paragraph 0044, beginning on page 14, line 28, and continuing onto page 15 as follows:

Once the predetermined condition has been met, the shuffling unit 18 consults the routing table and, for each destination address contained in the routing table, generates a second data packet to be transmitted to the respective destination address. A second data packet destined for a particular destination address is generated with all of the first packet data segments that are mapped to this particular destination address in the routing table. The shuffling unit 18 extracts the first packet data segments required to generate a new second data packet from the storage buffer, on a basis of the source address and offset position of the first packet data segments. The shuffling unit 18 shuffles these first packet data segments into the appropriate offset position of the new second data packet, in accordance with the mappings contained in the routing table.